2. (Amended) The tire pressure monitoring device of claim 1 wherein said housing further comprises:

a lens, a main housing, and a lower housing, wherein said lens is coupled to a first end of said main housing and said lower housing is coupled to a second end of said main housing.

12. (Amended) The tire pressure monitoring device of claim 26 further including a conductive Seal provided between said lens and said main body.

13. (Amended) The tire pressure monitoring device of claim 26 wherein said power supply is at least one battery.

14. (Amended) The tire pressure monitoring device of claim 26 wherein said signaling means is selected from the group consisting of a light emitting diode (LED), a speaker, a radio frequency (RF) transmitter, and a infrared (IR) transmitter.

15. (Amended) The tire pressure monitoring device of claim 26 wherein said flexible membrane is a conductive substance.

17. (Amended) A tire pressure monitoring device attachable to a tire valve for monitoring tire pressure, said tire pressure monitoring device comprising:

a housing including a means for sensing a pressure differential and a means for signaling said pressure differential.

~~21~~. (Amended) The method of claim ~~20~~ wherein said warning signal comprises a signal selected from the group consisting of a light, a sound, a radio frequency (RF) wave, and an infrared (IR) light.

24. (Amended) A valve cap having an interior air pressure supplied through a conventional tire valve, said valve cap comprising:

a transparent top;

a light emitting diode (LED) attached to a printed circuit board;

an upper housing which accommodates the LED and the printed circuit board;

a flexible membrane;

a counter-pressure chamber, wherein the counter-pressure chamber is a space between the transparent top and the membrane;

at least one battery located within the upper housing; and

a lower housing which is internally threaded to mate with a tire valve assembly.

Please add new claim 26 as follows:

26. (New) A tire pressure monitoring device for monitoring tire pressure, said tire pressure monitoring device comprising:

a main housing having a first end and a second end;

a flexible membrane positioned within said main housing;

a lens coupled to said first end of said main housing, wherein said lens and said flexible membrane define a counter-pressure chamber;

a lower housing having a first end and a second end, said lower housing coupled to said second end of said main housing, wherein said first end of said lower housing and said flexible membrane define a main pressure chamber; and

said second end of said lower housing adapted to engage a tire valve.

REMARKS

Claims 1-9, 11-26 are pending.

In response to the Office Action dated June 14, 2002, each one of the cited references has been reviewed, and the rejections and objections made to the claims by the Examiner have been considered. Applicants have traversed all rejections and objections regarding all pending claims, and therefore allowance of these claims is earnestly solicited.